



Potential Hazardous Waste Site

Preliminary Assessment

ARSYNCO, INC.
a/k/a Aceto Chemical
Foot of 13th Street
Carlstadt/Bergen County

SDMS Document



126059



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
Arsynco Incorporated

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Foot of 13th Street

03 CITY
Carlstadt

04 STATE NJ 05 ZIP CODE 07072 06 COUNTY Bergen 07 COUNTY CODE 08 CONG DIST

09 COORDINATES LATITUDE 40° 50' 07" LONGITUDE 74° 05' 03" Block 91 Lot 1

10 DIRECTIONS TO SITE (Starting from nearest public road)
N.J. Turnpike North to Exit 16 W. take. Rte 3 east to Rt. 20 take Route 20 North to Carlstadt. Just before the Route 17 bridge make a right onto 13th Street. Arsynco is located at end of 13th Street

III. RESPONSIBLE PARTIES

01 OWNER (if known)
Aceto Chemical Co. Inc.

02 STREET (business, mailing, residential)
126-02 Northern Blvd.

03 CITY
Flushing

04 STATE NJ 05 ZIP CODE 11368 06 TELEPHONE NUMBER 212 898-2300

07 OPERATOR (if known and different from owner)
Arsynco Inc.

08 STREET (business, mailing, residential)
13th Street

09 CITY
Carlstadt

10 STATE NJ 11 ZIP CODE 07072 12 TELEPHONE NUMBER 201 933-2323 Dennis Space V. Pres & Gen Mgr.

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 9/17/81 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION 9/17/81 BY (Check all that apply)
☐ YES DATE MONTH DAY YEAR ☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ NO ☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: (Specify)
CONTRACTOR NAME(S):

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
BEGINNING YEAR ENDING YEAR ☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Toluene Diisocyanate, 2-methylaziridine, Methylene Chloride, 1,1,1-Trichloroethane, Xylene, Methanol, Phenol, Naphthol, Pyridine. Approximately 320 drums of chemical waste and 20,000 gals. of waste were on site at time of RCRA Inspection 1981 ATTACHEMENT A

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Inspections revealed very poor housekeeping, leaking and rusting drums, open drums and many spills. Attachment A. The site is located next to Berry's Creek and a Tidal wetland.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (inspection required promptly) ☒ B. MEDIUM (inspection required) ☐ C. LOW (inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT
Al Ianuzzi

02 OF (Agency/Organization)
Parsippany - Troy Hills DEP DWM Field Office

03 TELEPHONE NUMBER
201 698-3669

04 PERSON RESPONSIBLE FOR ASSESSMENT
Robert Hayton

05 AGENCY
DEP

06 ORGANIZATION
HSMA

07 TELEPHONE NUMBER
(609) 292-1210

08 DATE
2/2/84 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Groundwater contamination possible due to the condition of the drums that were stored on site, also a spill from the spent solvent tank on soil in tank farm approx. 25' X 5' area
Attachment A page 8

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Several Drums stored on soil in a marsh and subject to flooding was noted on site. Some drums were stored in water and had their bottoms covered with water, one drum leaking red material on water. The plant is located in a delineated flood plain.
Attachment F Attachment A page 7

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Organic odors were noted from material discharge to sewer.
Attachment A page 7

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ F. CONTAMINATION OF SOIL 125ft.²
03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Spill from spent solvent tank on soil in tank farm approx. 25' X 5' area.
Attachment A page 8

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

The company stores drums in marsh area. Tidal action may spread contaminants through salt marsh.

Attachment A page 7 & 8

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

The company stores drums in marsh area. Tidal action may spread contaminants through salt marsh.

Attachment A page 7 & 8

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

02 ☒ OBSERVED (DATE: 9/17/81) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 6,166*

04 NARRATIVE DESCRIPTION

drums stored in marsh area

unlabeled and uncapped.

Attachment A page 7

01 ☒ N. DAMAGE TO OFFSITE PROPERTY

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION The company discharges into the Regional POTW.
Certain chemicals are capable of causing malfunction of system.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION Company discharges into Regional WWTP.

Attachment A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Berrys Creek which is tidal back flows into a pond on the property and washes its contents. The facility is located in a delineated Flood Plain.

Attachment D & F

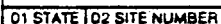
III. TOTAL POPULATION POTENTIALLY AFFECTED: 6,166

IV. COMMENTS

RCRA Inspection on 9/17/81 notes that facility has extremely poor housekeeping and is reluctant to clean up. Attachment A
Attachment E notes potential of wastes being buried on site.

V. SOURCES OF INFORMATION (Give specific references, e.g., state files, sample analysis, reports)

DWM Parsippany-Troy Hills Field Office
DWR Prospect St., Trenton



EPA FORM 2070-12 (7-81)

NJDO44688935

ARSYNCO INC a/k/a Aceto Chemical
Foot of 13th Street
Carstadt/Bergen County

Arsynco Inc. is an active chemical plant which manufactures organic chemical Intermediates, Pharmaceuticals, esters, amines, organic chlorides and hairdyes. The plant is located in Carlstadt Boro, Bergen County, New Jersey. Recent RCRA Inspections have cited this company for very poor house storage noted. The facility is adjacent to a sensitive tidal marsh.

Submitted By:
Bob Hayton, Env. Specialist
NJDEP-HSMA
RCRA 3012 Project

PRELIMINARY ASSESSMENT FILE SEARCH

NJDEP Arsynco AKA (Aceto) Chemical

DIVISION OF WATER RESOURCES:

- A. Enforcement Metro office - Files pulled by K Locaine for SADAT 6/83
B. Groundwater —
C. Other NTPDES, Trenton

DIVISION OF WASTE MANAGEMENT:

- A. HSMA None
B. Enforcement Parsippany - Troy
C. Solid Waste —

ENVIRONMENTAL QUALITY:

- A. Air Pollution Metro - No Good files
B. Pesticides —
C. Other —

DIVISION OF FISH AND GAME:

OFFICE OF SCIENCE AND RESEARCH:

- A. Industrial Survey no - Survey
B. Other —

N.J. DEPARTMENT OF HEALTH:

LOCAL AUTHORITIES:

- A. Health Department ✓
B. Town or County Clerk ✓

UNITED STATES GOVERNMENT:

- A. EPA —
B. other —

Name of Facility - Ardynke Inc.

RCRA ID# - NJ0044638935

Date of Inspection - 7-17-81

Type of Inspection:

Generator

Transporter

TSD

Name of EPA/State Inspector

#1 Iannuzzi

Findings of Inspection:

Violations:

262.31 & 32 -- containers not labeled.

262.30 -- " leaking.

262.42(a) & b -- no gen receipt or exception reports.

Sent waste to Valumet, NJ. which is not registered in RCRA (non-notifier).

265.16 - no written doc. person train.

265.18 - no inspekt. schedule.

265.51 - inadequate conting. plan.

Action(s) Taken:

Will refer state violations, use of improper manifests, not sending DEP copies in, shipping waste illegal facility, accepting waste without proper registration, receiving unmanifest shipment

Action(s) Recommended:

Issue complaint for containers storage problems and manifest use, violation for paperwork requirements.

Attachment A

RCRA GENERATOR INSPECTION FORM

COMPANY NAME:

ARSynco Inc.

EPA I.D. NUMBER:

1130044688935

COMPANY ADDRESS:

foot of 13th street, Carlstadt, NJ.

COMPANY CONTACT OR OFFICIAL:

Wesley Bennett

INSPECTOR'S NAME:

Alphonse Iannuzzi

TITLE:

safety Engineer
S&S IT

BRANCH/ORGANIZATION:

NJDEP

CHECK IF FACILITY IS ALSO A TSD

FACILITY ☒

DATE OF INSPECTION:

9-17-87

YES

NO

DON'T
KNOW

(1) Is there reason to believe that the facility has hazardous waste on site?

☒

—

—

a. If yes, what leads you to believe it is hazardous waste?
Check appropriate box:

☒ Company admits that its waste is hazardous during the inspection.

☒ Company admitted the waste is hazardous in its RCRA notification and/or Part A Permit Application.

☐ The waste material is listed in the regulations as a hazardous waste from a nonspecific source (§261.31)

☐ The waste material is listed in the regulations as a hazardous waste from a specific source (§261.32)

☐ The material or product is listed in the regulations as a discarded commercial chemical product (§261.33)

☐ EPA testing has shown characteristics of ignitability, corrosivity, reactivity or extraction procedure toxicity, or has revealed hazardous constituents (please attach analysis report)

☐ Company is unsure but there is reason to believe that waste materials are hazardous. (Explain)

YES NO DON'T
KNOW

- b. Is there reason to believe that there are hazardous wastes on-site which the company claims are merely products or raw materials?

X — —

Please explain:

Some drums that are in poor condition, facilities claims will be used in future (See comments).

- c. Identify the hazardous wastes that are on-site, and estimate approximate quantities of each.

from
Mr. Bennett → 1) 40 drums 55 gallon capacity of still bottom residue
2) 20,000 gallons of Toluene, methanol, and Xylene mixture
3) 20 drums (55 gallon) off-spec trimellitic acid chloride product

- d. Describe the activities that result in the generation of hazardous waste.

1) distillation process for product manufacturing
2) recovered solvent from processes (is burned in companies boiler)
3) off-spec products.

- (2) Is hazardous waste stored on site?

X — —

some drums on site since Nov. 19.

- a. What is the longest period that it has been accumulated?

Mr. Bennett stated approx. 1 to 2 years, but is not certain (hazardous waste is trichloroethane has been on site several years) X — —

- b. Is the date when drums were placed in storage marked on each drum?

- (3) Has hazardous waste been shipped from this facility since November 19, 1980?

X — —

- a. If "yes," approximately how many shipments were made?

- (4) Approximately how many hazardous waste shipments off site have been made since November 19, 1980?

2

- a. Does it appear from the available information that there is a manifest copy available for each hazardous waste shipment that has been made?

X — —

- b. If "no" or "don't know," please elaborate.

YES NO DON'T KNOW

c. Does each manifest (or a representative sample) have the following information?
used old NJ manifests for shipments in 1984
facility a manifest document number *see attached copies.*

- the generator's name, mailing address, telephone number, and EPA identification number

- the name, and EPA identification number of each transporter
A-93/91 (6/19/81)

- the name, address and EPA identification number of the designated facility and an alternate facility, if any:
A-93/91 (6/19/81)

- a description of the wastes (DOT)

- the total quantity of each hazardous waste by units of weight or volume, and the type and number of containers as loaded into or onto the transport vehicle

- a certification that the materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation under regulations of the Department of Transportation and the EPA *used old NJ manifest forms when EPA approved forms should have been used.*

* *and did not send in NJ Administration copies for shipments.*
 (5) Were there any hazardous wastes stored on site at the time of the inspection?

a. If "yes," do they appear properly packaged (if in containers) or, if in tanks, are the tanks secure?

b. If not properly packaged or in secure tanks, please explain.

c. Are containers clearly marked and labelled? *see attached*

d. Do any containers appear to be leaking? *see attached*

e. If "yes," approximately how many?

approx. 6

*(6) Has the generator submitted an annual report to EPA covering the previous calendar year? N/A

a. How do you know?

(7) Has the generator received signed copies (from the TSD facility) of all manifests for wastes shipped off site more than 35 days ago? X

a. If "no," have Exception Reports been submitted to EPA covering these shipments? X

manifest did not allow for return receipt.

(8) General comments.

Arsynco manufactures organic chemical intermediates, pharmaceuticals, esters, amines, organic chlorides, and hair dyes.

Mr. Bennett stated that Arsynco's wastes are still residue (solid), solvents, some off-spec products. Solvents are stored in tanks and burned in boilers on site. Still residue is stored in drums. Wastes listed on part A permit application were 11223 - Toluene diisocyanate, 6 drums on site that Arsynco doesn't know what to do with and are not considering it a waste. 11002 - Acetone - do not use, 11067 - 2-methylaziridine - is manufactured on site - no waste on site. 11080 - methylenechloride - no waste on site. 11226 - 1,1,1 trichloroethane - 40 to 50 drums, some drums are intended to be recovered some can not be reclaimed. 11092 - dimethylamine - none on site. 11239 - xylene in storage tanks. 11154 - methanol - in storage tanks. 11188 - phenol - no waste on site, product no longer produced. Other wastes on site are lab waste from R & D lab, 2 drums naphthal - off-spec product, 4 drums pyridine from spill in yard.

Manifest check indicated that Arsynco received waste mix solvent from Narden International USA Inc. 73-23 37th Ave. LIC, NY, 11101, on

* The effective date for this requirement is March 1, 1982.

manifests # C-35198 (5/4/81) and A-93193 (5/8/80). Arsynco is not registered in NJ. to receive hazardous waste material. Waste solvent was also obtained from related company Roehr CO, 5220 37th St. LIC, NY. This material was not manifested due to it being a related company.

Arsynco sent 48 drums of still bottoms to Cecos, OH. on manifest C-91598 (3/16/81) and ETGI Flumens, NJ was the transporter. Waste cobalt - aluminum catalyst was sent to Valumet Process Corp. of NJ. Quigley Lane Sayreville, NJ. manifest # A-93191 (6/19/81) (15 drums). All above mentioned manifests were ~~an~~ old NJ forms and not approved to be used after Nov. 19, 1980. Valumet is not registered in NJ. to accept hazardous waste. The above were the only manifest records on site.

Arsynco discharges acids and bases after neutralization to the Joint meeting Sewage Authority. E. Rutherford, NJ. A skimmer is ^{used} ~~noted~~ on the discharge to remove solvents from waste water.

Arsynco does not have air pollution permits to burn anything other than 2590 toluene/#6 fuel oil mixture, according to NJ DEP. Air Pollution Control. Mr. Bennett stated that Arsynco does burn mix solvents. Incoming solvent is treated (may adjust pH) and burned in 600 horse power boiler.

All filter cake, except catalyst ^{containing} cobalt aluminum, is neutralized and discharged to sewer.

Facility inspection indicated two 85 gallon drums

of waste still bottom from spillage, that were unlabeled, were noted south of building #5.

Three unlabeled drums of solvent recovered from skimmer to sewer was noted next to the sewer discharge. Organic odors were noted from material discharged to sewer. pH on recorder chart in sewer indicated a range of 10 to 1 during the day of the inspection. Twenty unlabeled, uncapped drums were noted next to the sewer discharge pit. Mr. Bennett stated that this material is solids from neutralization pit. Pit is constructed of brick. Three rusted unlabeled drums that Mr. Bennett stated he did not know what was in them were noted next to neutralization tank.

Several drums stored on soil in a marsh area subject to ~~spillage~~^{flooding} was noted on site. Some drums were stored in water and had their bottoms covered with water. This area is not the designated hazardous waste storage area and drums are intended for reuse. Most drums were rusted and several were leaking. Some drums were labeled MIBK (flamm. solvent); Mr. Bennett stated that this material is no longer used in product once made on site. One drum was leaking a red material onto water. Some solid material was noted with a drum rusted around it. Most drums in this area were unlabeled and in very poor condition. Approximately 200 drums were noted in this area.

Page 7

The waste drum storage area is located in rear of

building H and tank farm H. All waste drums are numbered, some are not dated. Some uncapped drums, that Mr. Bennett could not identify it's contents, were noted in this area.

Spillage on spent solvent tank^{#TS78} and on soil in tank farm floor, approx. 25' x 5' liquid, was noted. Contaminated soils were noted inside this tank farm also.

Mr. Bennett stated that he does not know when Arsynco could clean up their storage problems.

Ten photographs of poor housekeeping and poor drum storage were taken.

HAZARDOUS WASTE INVESTIGATION

HW/EF 12-26

Inspector: C. Elmendorf

Date: 7/21/82

Location: Arsynco Inc.

St: 13th St.

Property owner: Arsynco Inc.
Foot of 13th St.
Carlstadt

Town: Carlstadt

County: Bergen

Lot: 1

Block: 91

Origin of Complaint: See RCRA inspection 9/17/81 (memo 1/25/82).

Complaint: Obtain copy of manifest NJ A93191 and any other shipments to Valumet, Sayerville.

Findings:

On 7/21/82, the writer met with Dennis Space of Arsynco at the facility. The purpose of this inspection was to go over all manifests at Arsynco and obtain copies of manifest NJ A93191 and any other documents of shipments of waste from Arsynco to Valument, Sayerville.

Mr. Space said that Wes Bennet, who handles shipments of hazardous waste from Arsynco, was not in but he would go through manifest files with the writer.

Regarding the manifest noted in the 9/17/81 RCRA inspection (NJ A93191, 6/19/81, 15 drums of waste cobalt-aluminum catalyst sent from Arsynco to Valument, Sayerville) Mr. Space could not find this manifest. He did produce an invoice which he said covered this same shipment. The invoice, Arsynco #39202 (copy attached) shows 15 drums, (3, 262 lbs.) cobalt containing residue and water going to Valumet, Sayerville. Mr. Space said the hauler for this load was V. C. Transportation, 140 Bay St., Jersey City, NJ. A phone call to the vehicle registration section of the DWM revealed that V. C. Transportation was not registered with the Department to transport hazardous waste in the 1981-1982 fiscal year. Mr. Space said he would keep looking for this manifest (A93191) and mail a copy to the writer when he finds it. A copy of the manifest (attached) was received the end of July. Arsynco did not submit part A (administration copy) of the manifest until then.

A second shipment of hazardous waste was made to Valumet, Sayerville from Arsynco on 1/21/82. In this case, 33 drums of spent nickel catalyst was sent on NJ manifest 0062032 again using V. C. Transportation, an unregistered hauler. The Arsynco invoice corresponding to this manifest is #39952.

Mr. Space explained that Valumet owed \$13,534.50 to Arsynco for the 33 drums of spent nickel. Valumet, however, filed for bankruptcy around this time and failed to make payment for the material. On this manifest, 0062032, the following problems were noted:


1. Use of an unregistered hauler.
2. No transporter name on the manifest.
3. No TSDF name on the manifest.
4. No Transporter #1 SWA registration #.
5. No date received.
6. No EPA ID #'s of either the transporter or TSDF.

ATTACHMENT B

Other problems noted while looking through Arsynco's manifest file were noted. On 10/16/81, Arsynco shipped 15 drums of spent methylene chloride on manifest NJ0062031 (copy attached). Chemical Sales Inc. was the transporter for this load. The manifest had no address, EPA ID # or SWA registration # for the transporter. Chemical Sales Inc. was registered with the SWA as a hazardous waste hauler at the time of shipment. Also missing from this manifest was information on the TSD facility used.

On 5/19/81, on manifest NJ C91601, Arsynco accepted spent solvents for reclamation from Naarden Industries, Flushing, NY. This shipment places generator, transporter, and facility in violation of several hazardous waste regulations.

cc: J. Berg


Charles Elmendorf
Env. Spec.

MEMORANDUM

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTIONTO: Mr. Peter Lynch through Mr. George Bronson *gib*FROM: Mr. Greg Isbrecht *G*SUBJECT: Arsynco Incorporated - Site Inspection
13th Street
Carlstadt, NJDATE: July 7, 1977

File
On June 28, 1977, this writer inspected the premises of Arsynco, Inc., Carlstadt, NJ. Mr. Lyle Leach, Arsynco, conducted this writer through the plant premises.

During this site inspection two noteworthy conditions were observed by this writer. First, to the east of Arsynco's production building #19 exists at least two shallow channels so placed by Arsynco to convey rainfall from the immediate area located between building #19 and building #8 to Berry's Creek. This in itself would present no problem to this writer if it were not for the fact that repeated chemical spills occurring in this general area are allowed to drain unchecked into Berry's Creek via these channels. There was continued evidence of a recent spill that had occurred at a small tank farm adjacent to building #19. During previous site inspections Arsynco personnel had informed this writer said spills were sulphuric acid treated only with soda ash to neutralize same. There was a clear, distinct trail of yellow material from the spill site to one of the aforementioned yard drains into Berry's Creek. Mr. Richard Klein, Arsynco, had noted during previous visits that no attempt was made by Arsynco to contain or clean up sulphuric acid spills once they occurred, only that the soda ash was applied. The inspection this date revealed the conditions at the sulphuric acid spill site had not changed. It was apparent no effort was made to collect any of the materials.

Arsynco representatives have conveyed a general unconcerned attitude regarding housekeeping at its plant. In particular, the company seems totally disinclined to require its employees to clean up any of the numerous small chemical spills that are obvious to outside observers inspecting the premises. This writer gathered samples from one of the yard drains and a reportedly disconnected french drain coming from building #19. It is this writers understanding that propylene imine is produced in building #19.

The second item of interest was a spent toluene spill of an undetermined quantity purported by Arsynco representatives to have taken place during the midnight shift of this date. This writer questioned Mr. Richard Klein, plant safety engineer, whether he or any other Arsynco employee had notified N.J.D.E.P. of the spill. Mr. Klein stated that to his knowledge neither he nor anyone else had so notified D.E.P.

Attachment C

This writer then took samples of the toluene spill. At the time, it did not appear to this writer that any of the spilled toluene had directly entered Berry's Creek or any conveyance systems connected to Berry's Creek. Arsynco had attempted to contain a portion of the spilled toluene by spreading a light layer of yellow sand over some of the spill. The remainder was being allowed to evaporate and soak into the soil. Having raised the issue of the toluene spill with Arsynco representatives Arsynco continued to ignore it making no visible effort to further clean it up or verbal indication of intent.

This writer called Mr. John Vernam, Special Services, to ascertain if the toluene spill or any other spill at Arsynco had recently been reported to D.E.P. by Arsynco. Mr. Vernam had no such record of any reported spills at Arsynco.

There is an attached Arsynco plant grounds schematic with indications as to the location of the toluene spill, sulphuric acid spill, and where samples were gathered. It is this writer's opinion that Arsynco's past and present contumelious attitude regarding in-plant housekeeping has contaminated the grounds, groundwaters underlying therein, and ultimately Berry's Creek. This Department would best be advised to define the severity of Arsynco's problem to enable proper resolve to be applied to the matter.

E65:G25

HEALTH DEPARTMENT
CARLSTADT, NEW JERSEY

Julie

COMPLAINT FORM

DATE JUNE 30, 1982 TIME _____ BY: PHONE - PERS. ON - MAIL JULIE
(CIRCLE)

RECEIVED BY JOAN DECHERT

COMPLAINT ARSYNCO CHEMICAL CO.

ADDRESS 13th STREET CARLSTADT PHONE 933-2323

NATURE OF COMPLAINT ANONYMOUS--- LEAKY DRUMS BEING ~~XXXXXX~~ BURIED

BY EMPLOYEES--~~XXXXXX~~ CONTENTS UNKNOWN

JULIE INVESTIGATED FOUND LEAKY DRUMS, BUT COULD NOT DETECT IF
THEY WERE BEING BURIED --REFERRED TO DEP FOR INVESTIGATION

CHECKED BY WLL DATE _____

RESULTS: _____

DEP CAME AND TOOK OVER CASE.
Went on inspection with John Syrona (DEP)

Attachment E

MID-BERGEN REGIONAL HEALTH COMMISSION

201 Continental Avenue
River Edge, New Jersey 07661

Complaint #

Date

(201)261-8008

Received by

Complainants Name Anonymous Phone

Address Card Mailed Date

Premises Complained of - Name Arsynco - Address

Nature of Complaint Chemical Co.

{ West wall of building - railroad track - 17
{ North East Section of building 8
Front gate - old trailer - dig big pit?
put chemicals underground - sup the site
would accept them

TYPE OF COMPLAINT		
INSECTS	RATS	INSAN.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NUISANCE	SEWAGE	SOLID WASTE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MISC.		

Assigned to Julie Popper date 6/23/82

Report of findings

Visited site - noted that there were many
leaky drums in all areas. Significant amount of
drums that are in unfarmable condition.

Complainant stated that just he contacted 646-2600 - EPA
to make formal complaint. They referred him to All Drexco.

Action Taken

Recommendation

Inspector

CC 1000

(over)

MEMOSTATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTIONTO Files through Mr. BinderFROM Mr. HamiltonDATE October 31, 1972SUBJECT Arsynco Chemical Company, Carlstadt

An inspection of Arsynco Chemical Company, Carlstadt was made on October 17, 1972 to check compliance with a consent order dated July 20, 1972.

Mr. Seymour Mann, General Manager of Arsynco was interviewed and Mr. Fred Frank assisted in the inspection. Arsynco has complied with parts (1) plugging the pipes on the north end of the property, and (2) filling in the lagoon by August 15, 1972. However, part (3) separation of the cooling water and return of any wastes in their discharge stream to their neutralization pit by August 15, 1972 has not been completely accomplished. According to Mr. Mann they are awaiting an engineering report before proceeding with this project. The report is supposed to be completed in two weeks. Therefore, Mr. Mann was requested to send us a letter informing us of the status of Arsynco's compliance with the consent order and their proposal to comply with part (3).



James K. Hamilton
Enforcement Section
Bureau of Water Pollution Control

6E44:G7

*called 11-6-72 Mr. Mann busy - will call back
about letter
will send it out 11-7-72
see letter 11-6-72*

SITE INSPECTION REVIEW FORM

SITE NAME: ARSYNCO, INC. - SUBSIDIARY OF ACETO CHEMICAL CO., INC.

ALIASES: _____

SITE I.D.#: NJD 0446 88935

<u>ITEM</u>	<u>COMPLETE ?</u>	
	<u>YES</u>	<u>NO*</u>
SITE LOCATION (INCLUDING MAP)	<input checked="" type="checkbox"/>	_____
SITE BACKGROUND	<input checked="" type="checkbox"/>	_____
ENVIRONMENTAL SETTING (GEOLOGY, HYDROLOGY, METEOROLOGY, ECOLOGY + LAND USE)	<input checked="" type="checkbox"/>	_____
WASTE DESCRIPTION (PRESENCE + CONDITION OF WASTE + WASTE MANAGEMENT UNITS)	<input checked="" type="checkbox"/>	_____
LABORATORY RESULTS (CORRELATED TO SAMPLE LOCATION MAP)	<input checked="" type="checkbox"/>	_____
HRS PRE - SCORE (PRELIMINARY + PROJECTED)	<input checked="" type="checkbox"/>	_____
POTENTIAL FOR DIRECT CONTACT	<input checked="" type="checkbox"/>	_____
CONCLUSIONS + RECOMMENDATIONS	_____	_____
REFERENCES	<input checked="" type="checkbox"/>	_____

HRS PRE-SCORE: PRELIMINARY SCORE = 9.4
PROJECTED SCORE = 18.6

COMMENTS:

poses the greatest threat.
This site has a potential for ground water contamination and has documented surface water contamination. The air has significant quantities of solvents in the storage and process areas and Targets are low for all three pathways. Overall scoring (both HRS and PRO) is low, hence NFRAP.

NJDEP, Division of Environmental Quality, in 1987, issued an AO and a Notice of Civil Administrative Penalty Assessment for Air Pollution Control Act violations.

REVIEWED BY: LARRY TANNENBAUM

DATE: FEB. 8, 1990

*IF ANY ITEM IS LACKING INFORMATION PLEASE DESCRIBE IN COMMENTS

NFMA
314

SITE INSPECTION REVIEW FORM

SITE NAME: ARSYNCO, INC. - SUBSIDIARY OF ACETO CHEMICAL CO., INC.

ALIASES: _____

SITE I.D.#: NJD 0446 88935

<u>ITEM</u>	<u>COMPLETE ?</u>	
	<u>YES</u>	<u>NO*</u>
SITE LOCATION (INCLUDING MAP)	<u>✓</u>	<u> </u>
SITE BACKGROUND	<u>✓</u>	<u> </u>
ENVIRONMENTAL SETTING (GEOLOGY, HYDROLOGY, METEOROLOGY, ECOLOGY + LAND USE)	<u>✓</u>	<u> </u>
WASTE DESCRIPTION (PRESENCE + CONDITION OF WASTE + WASTE MANAGEMENT UNITS)	<u>✓</u>	<u> </u>
LABORATORY RESULTS (CORRELATED TO SAMPLE LOCATION MAP)	<u>✓</u>	<u> </u>
HRS PRE - SCORE (PRELIMINARY + PROJECTED)	<u>✓</u>	<u> </u>
POTENTIAL FOR DIRECT CONTACT	<u>✓</u>	<u> </u>
CONCLUSIONS + RECOMMENDATIONS	<u> </u>	<u> </u>
REFERENCES	<u>✓</u>	<u> </u>

HRS PRE-SCORE: PRELIMINARY SCORE = 9.4
PROJECTED SCORE = 18.6

COMMENTS:

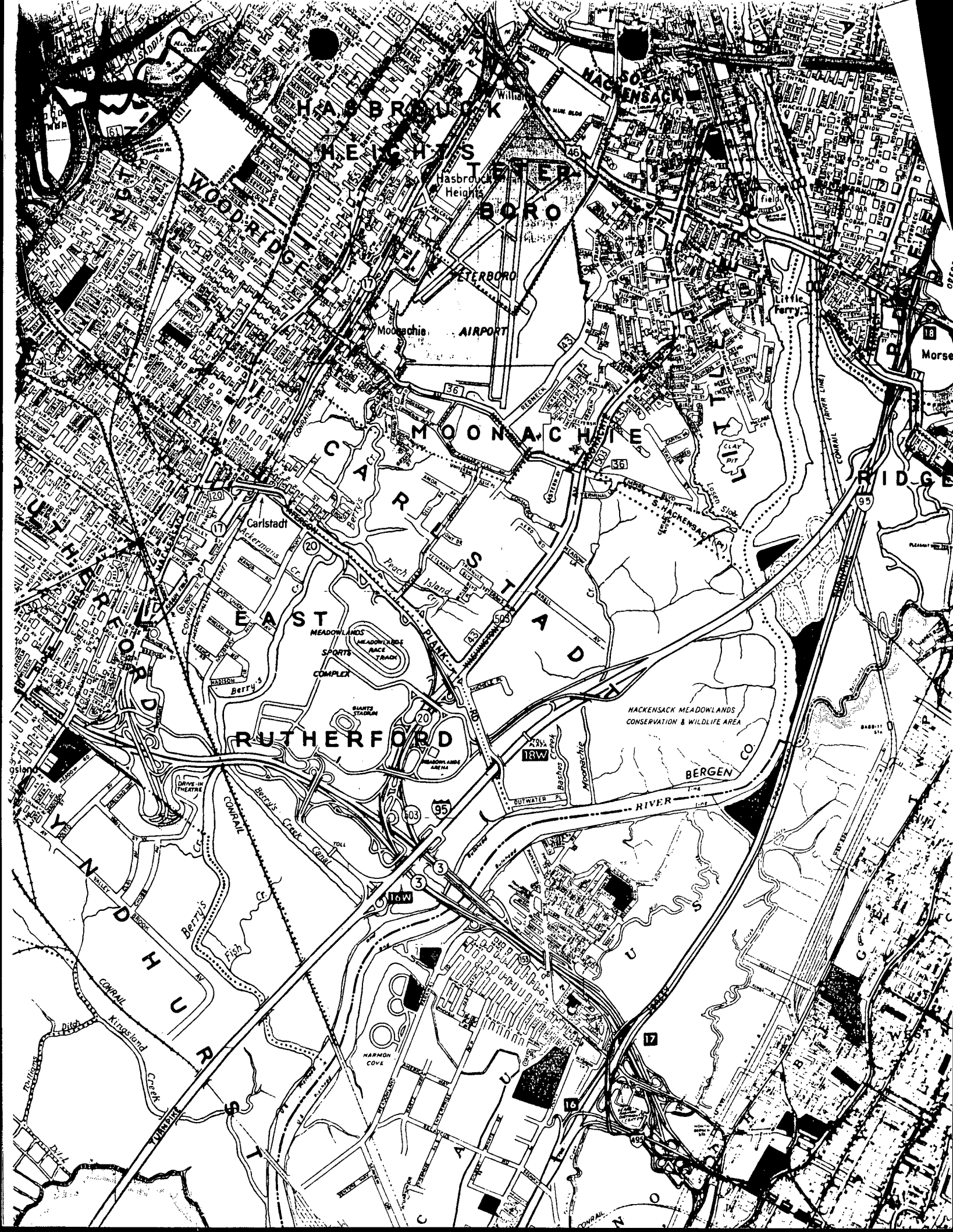
*es the
step
next.*
This site has a potential for ground water contamination
and has documented surface water contamination. The air has
significant quantities of solvents in the storage and process areas and
Targets are low for all three pathways. Overall scoring
(both HRS and PRO) is low, hence NFRAP.

NJDEP, Division of Environmental Quality, in 1987, issued an AO
and a Notice of Civil Administrative Penalty Assessment for Air Pollution
Control Act violations.

REVIEWED BY: LARRY TANNENBAUM

DATE: FEB. 8, 1990

*IF ANY ITEM IS LACKING INFORMATION PLEASE DESCRIBE IN COMMENTS



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

74°07'30"

574000m E

575

1 970 000 FEET (N. Y.)

576

577

2.9 MI. TO GARDEN STATE PKWY
DOVER 27 MI.

52°30"



EMPLOYEE PARKING



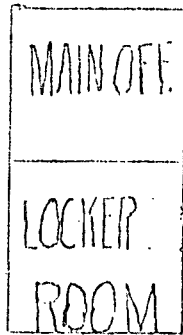
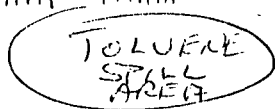
BLDG. 17 & 18

GUARD HUT



BLDG. 2

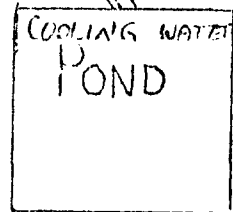
TANK FARM



MAIN OFF.

LOCKER ROOM

BLDG. 16



COOLING WATER POND

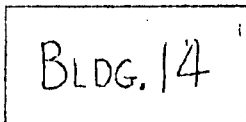


OFFICES

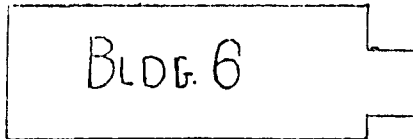
LAB

BLDG. 20

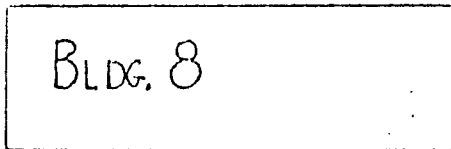
BLDG. 12



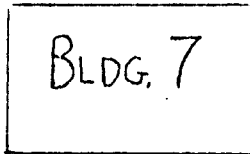
BLDG. 14



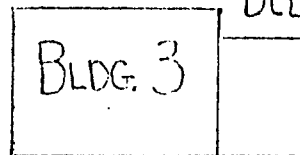
BLDG. 6



BLDG. 8

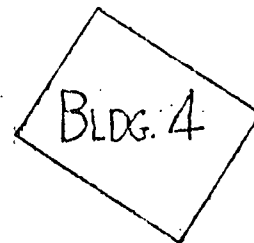


BLDG. 7

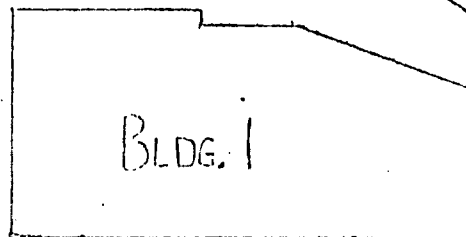


BLDG. 3

BLDG. 9



BLDG. 4

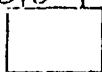


BLDG. 1

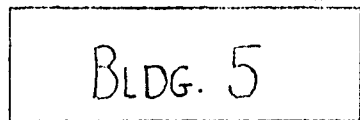


BLDG. 11

ACID PIT



H.V. SHED



BLDG. 5

SULPHURIC ACID SPILL SITE

BLDG. 19



EDDRAIN BERRY'S CREEK



TO ACID PIT



RT 7

DEFICIENCY NOTICE

NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES)

PERMITTEE (Facility) NAME AND ADDRESS

RESYNCO INC

P.O. BOX 8

13th Street

CARLSTADT, NEW JERSEY 07072

See instructions on back of last part before completing)

PERMITTEE REPRESENTATIVE (Receiving this Notice) TITLE

WEST BENNETT, SAFETY ENVIRONMENTAL Engr.

NPDES PERMIT NO.

NJ0030970

During the compliance inspection carried out on (date) March 9, 1983 the deficiencies noted below were found. Additional areas of deficiency may be brought to your attention following a complete review of the Inspection Report and other information on file with the REGULATORY AUTHORITY administering your NPDES PERMIT.

D E F I C I E N C I E S

MONITORING LOCATION (Describe)

FLOW MEASUREMENT (Describe)

Inadequate flow meter, no way of detecting discharges. Berry's Creek backflows into holding pond and washes its contents.

SAMPLE COLLECTION/HOLDING TIME (Describe)

During sample collection, water was very turbid, making collection difficult.

SAMPLE PRESERVATION (Describe)

TEST PROCEDURES, SECTION 304(h), 40 CFR 136 (Describe)

RECORD KEEPING (Describe)

OTHER SELF-MONITORING DEFICIENCIES (Describe)

ADDITIONAL COMMENTS

Facility is also a RCRA notifier. I have observed a critical storm area poorly kept and maintained, possible accumulation of storm runoff, which could find its way to near by Creek.

REQUESTED ACTION—Your attention to the correction of the deficiencies noted above is requested. Receipt of a description of the corrective actions taken will be considered in the determination of the need for further Administrative or Legal Action. Your response is to be (Inspector line out inappropriate response method): (1) included with your next NPDES Discharge Monitoring Report (DMR) or (2) submitted as directed by the inspector. Questions regarding possible follow-up action can be answered by the REGULATORY AUTHORITY to which your DMRs are submitted and which administers your NPDES Permit.

INSPECTOR'S SIGNATURE

INSPECTOR'S PRINTED NAME

INSPECTOR'S ADDRESS/PHONE NO.

U.S. EPA
22 Federal Plaza
NY 10278 NY

REGULATORY AUTHORITY/ADDRESS

ROOM 845

DATE

3/16/83

Attachment D

PERMIT NO.

NJ0030970

SECTION L - Effluent/Receiving Water Observations (Further explanation attached _____)

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
001	- NO DISCHARGE OBSERVED DURING INSPECTION -						
OFFICIALS INDICATED OVER FLOW OF POND DUE TO RAIN							
DURING THE WEEK OF MARCH 7-11, 1983							
POND APPEARANCE TURBID, GREASE, AND SOLIDS.							

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations (Further explanation attached N/A)

- ☐ GRAB SAMPLES OBTAINED
☐ COMPOSITE OBTAINED
☐ FLOW PROPORTIONED SAMPLE
☐ AUTOMATIC SAMPLER USED
☐ SAMPLE SPLIT WITH PERMITTEE
☐ CHAIN OF CUSTODY EMPLOYED
☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE _____

REMARKS:

SECTION N - Analytical Results (Attach report if necessary)

Facility is also a RCRA notifier (TSD/G)
During the course of my inspection I have observed the following violations pertaining to subtitle (C) of RCRA:

- (1) 100 - 55 gallon drums containing chemical waste were observed stored on site. Some of the drums were corroded, dented and aisle spacing was inadequate. Some had no labels identifying waste, or generation waste date on the drums. Area around storage site was open to the elements without any dikes so that during wet weather conditions runoff could find its way to the creek and ground water.
- (2) Berry's Creek, which is tidal, backflows into the pond and washes its contents.
- (3) Inoperable flow meter observed during last inspection conducted by the state 1982.



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP # 1)
CONSTRUCTION AND DISCHARGE PERMITS

FOR OFFICIAL USE

READ REQUIREMENTS
PLEASE TYPE OR PRINT

1. Applicant/Owner* ARSYNCO, INC. Telephone (201) 933-2323
Permanent Legal Address FOOT OF 13th STREET
City or Town CARLSTADT State NEW JERSEY Zip Code 07072
2. Location of Work Site _____
Name of Facility, if applicable ARSYNCO, INC.
Street/Road FOOT OF 13th STREET
Lot No. 1 Block No. 91
City or Town CARLSTADT State NEW JERSEY Zip Code 07072
Municipality CARLSTADT County BERGEN
3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).
Name NOT APPLICABLE N.J. License No. _____
Name of Firm, if employee _____
Address _____ County _____
Municipality _____ State _____ Zip Code _____
Telephone () _____
4. This is an application for NJPDES/SIU Permit
(Name of permit, certification, approval or exemption. See Item 9. Next Page.)

5. Fee is attached (If applicable). \$ _____
(Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)
6. Estimated construction cost of project:
a. \$ _____ total cost of the project.
b. \$ _____ portion for which this permit is requested.
7. I have included certifications of any public notifications. Yes _____ No _____
8. If applicable:
(For Waterfront Development applications, 8c. must be completed.)
a. Source of Water Supply HACKENSACK WATER COMPANY
b. For Treatment at (Water Treatment Plant) _____
c. Stream, Waterway, Pond or Lake _____
d. Wastewater Treatment Facility (PRESENT) JOINT MEETING

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or any state permits been issued for this project? (If yes, indicate status and project number below.)

No X Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1	CAFRA.....	_____	_____
9.2	Waterfront Development (Riparian).....	_____	_____
9.3	Wetlands.....	_____	_____
9.4	Purchase Water	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use.....	_____	_____
9.8	Well Drilling	_____	_____
	Water Lowering:		
9.9	Permanent Lowering.....	_____	_____
9.10	Temporary Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply	_____	_____
9.13	Water Quality Certification.....	_____	_____
9.14	Construct/Repair Dam	_____	_____
9.15	Stream Encroachment.....	_____	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	_____	_____
9.17	Exemption from Sewer Ban	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	_____	_____
9.19	Solid Waste Permits (Specify).....	_____	_____
9.20	Air Quality Permits (Specify).....	_____	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval"	_____	_____
9.22	Other State agencies' permits	_____	_____
9.23	Local Permits	_____	_____
9.24	Federal Permits.....	_____	_____

10. Brief Description of the Proposed Project and Intended Use:

PREPARATION AND SUBMISSION OF APPLICATION FOR NJPDES SIU PERMIT

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

DENNIS V. SPACE - JUNE 28th, 1983

Type: Name and Date


Signature of Applicant

SENIOR VICE PRESIDENT & GENERAL MANAGER

Type: Position

June 28, 1983
Date

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM
SUPPLEMENT TO THE STANDARD APPLICATION FORM CP # 1



APPLICATION TO DISCHARGE WASTEWATERS AND
RESIDUALS TO THE STATE'S LAND AND WATER

Answer all questions. Please print or type.

1. Circle the letter(s) for those discharge activities presently conducted or to be conducted as part of the facility's operation. (Seasonal facility operation shall be considered as a present operation.)
- In the space provided, indicate if there is an existing NPDES or NJPDES permit for each circled activity (yes/no).
 - In the space provided, indicate if this application is for a "new" source, an "existing" source, or a "renewal" of a current permit.

<u>DISCHARGE ACTIVITY</u>	<u>YES/NO</u>	<u>NEW, EXISTING, RENEWAL</u>
A. Municipal Surface Water Discharge	_____	_____
B. Industrial/Commercial Surface Water Discharge	_____	_____
C. Thermal Surface Water Discharge	_____	_____
D. Land Application of Sludge and Septage	_____	_____
E. Land Application of Industrial Waste Residues	_____	_____
F. Landfill Wastes	_____	_____
G. Spray Irrigation	_____	_____
H. Overland Flow	_____	_____
I. Rapid Infiltration	_____	_____
<input checked="" type="radio"/> J. Surface Impoundment	YES	EXISTING
K. Underground Injection	_____	_____
<input checked="" type="radio"/> L. Discharge to a Domestic Treatment Works	NO	EXISTING

2. Facility: Latitude 40° 50 min. 12 sec. Longitude 74° 06 min. 36 sec.

3. Name and address of applicant's parent corporation, subsidiary, or partnership data.
(Attach additional sheets if necessary.)

Name ACETO CHEMICAL CO., INC. Telephone No. (212) 898-2300
Mailing Address 126-02 NORTHERN BOULEVARD
City or Town FLUSHING State NEW YORK Zip Code 11368

4. Facility's Contact Person (This person must be responsible for and familiar with the facility operation.)

Name MR. DENNIS SPACE Telephone No. (201) 933-2323
Address of Operator FOOT OF 13th STREET
City or Town CARLSTADT State NEW JERSEY Zip Code 07072

5. Is the facility a
- ☐ Federal Facility
 - ☐ State Facility
 - ☐ Public Facility (a local government subdivision)
 - ☒ Private Facility

(Over)

6. List in order of priority all Standard Industrial Codes (SIC) which best reflect the principal products or services provided by the facility.

<u>SIC</u>	<u>PRODUCTS OR SERVICES PROVIDED</u>
2865	ORGANIC INTERMEDIATES

7. If applicable, identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, civil penalties, or criminal actions concerning pollution issued against the facility during the last five (5) years.

<u>ENFORCEMENT ACTION</u>	<u>DATE OF ACTION</u>	<u>RESULT</u>
NONE		

8. If applicable, list all locations involved in the storage of solid or liquid waste at the facility for which the NJPDES application is being made and the ultimate disposal sites of solid or liquid wastes generated by the facility being permitted.

<u>STORAGE SITE(S)</u>	<u>ULTIMATE DISPOSAL SITE(S)</u>
SEE ATTACHED	

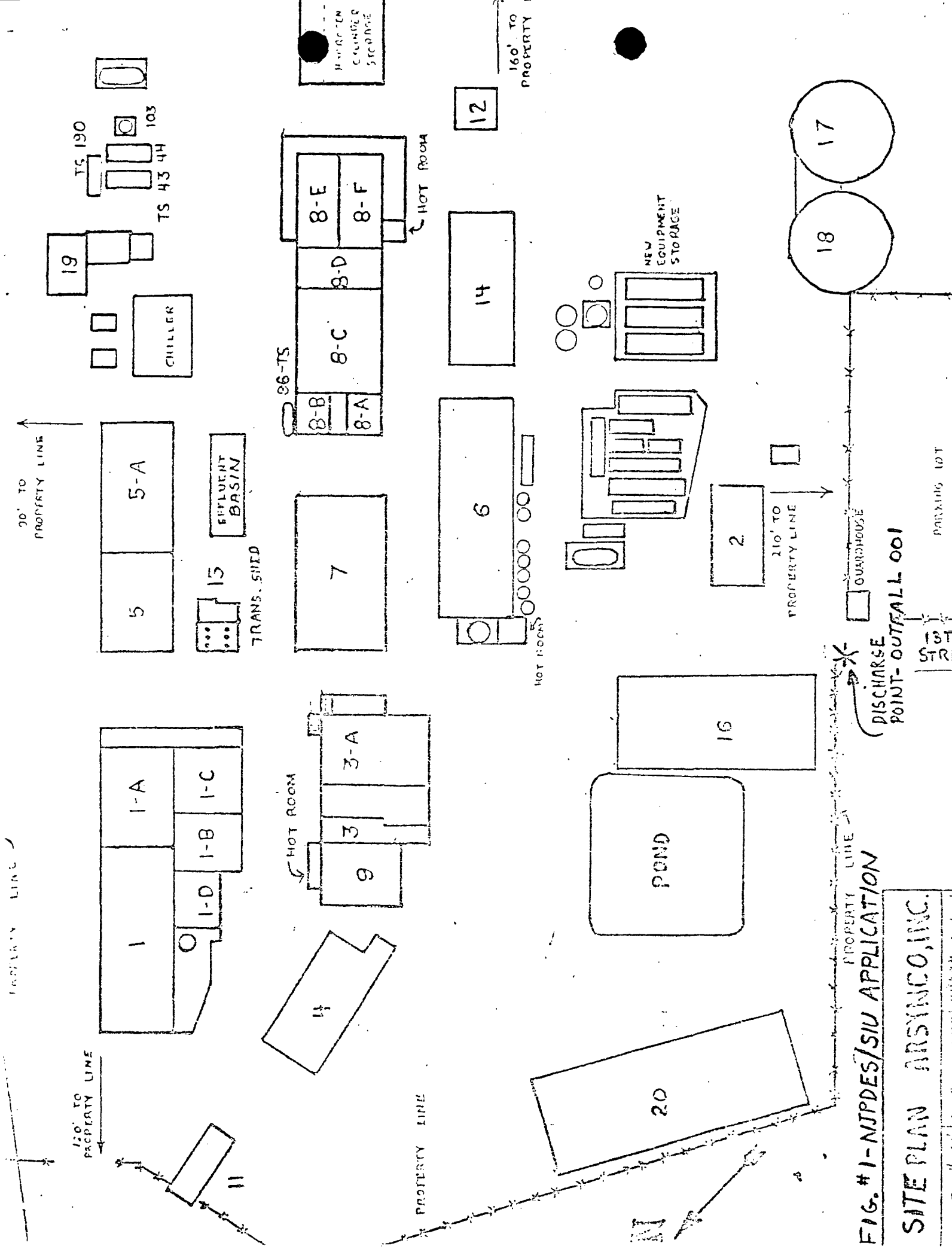
9. If applicable list the amount of sludge generated per month and type of treatment, if any, given to the sludge just before its disposal.

Amount of Sludge Generated

When it was necessary to clean
the basin, approximately 400
cubic feet of solids were collected.

Type of Sludge Treatment

No treatment--sludge is
disposed of following all local,
state and federal regulations.



APPLICATION FOR PERMIT TO DISCHARGE TO A DOMESTIC TREATMENT WORKS

1. Facility Name ARSYNCO, INC.		2. D.E.P. ID No. (Official Use Only)			
3. DTW Used JOINT MEETING		Sewer System Owner CARLSTADT	Treatment Plant Owner CARLSTADT-RUTHERFORD-EAST		
4. This application must include: (See Instructions) a. Discharge Location Map b. List of Building Floor Drains FIG. 2 c. Line Drawing FIGURE 3 <div style="text-align: right;">RUTHERFORD</div>					
5. Average Flows and Treatment (For Each Discharge to DTW System)					
OUTFALL (Name or No.)	B. OPERATION CONTRIBUTING FLOW		C. TREATMENT		
	1. Operations (List)	2. Average Flow (Include Units)	1. Description	2. Codes From Table I	
001	Sanitary Waste water	184.5 GPD		4E	
	Condensate & Boiler Blowdown	20,629.3 GPD	Effluent Basin	4E	
	Water Softener	1,125.2 GPD	Effluent Basin	4E	
	Storm water	12,748.6 GPD	Effluent Basin	4E	
	Chemical Manufacturing - Wash & Flush Reactors, Stills	1,906.9 GPD	Effluent Basin	1U, 1H, 4E	
	Chemical Manufacturing - Raw Materials	283.4 GPD	Effluent Basin	1U, 1H, 4E	
	Unaccountable - Municipal and well waters	103,219.2 GPD	Effluent Basin	1U, 1H, 4E	
	Direct Contact well water - Vacuum Jets	9,476.8 GPD	Effluent Basin	1U, 1H, 4E	
	- Liquid Ring Vacuum Pump	7,076.8 GPD	Effluent Basin	1U, 1H, 4E	
	Laboratories	1,409.7 GPD	Effluent Basin	1U, 1H, 4E	
6. Intermittent Flow (Complete if any discharge described in 5. above is intermittent or seasonal)					
OUTFALL (Name or No.)	OPERATIONS CONTRIBUTING FLOW	FREQUENCY	DURATION	FLOW RATE	TOTAL VOLUME
001	Sanitary waste water -	Day Shift	8 hours	2 GPM	960 Gal.
	Water softener	Once per Week	3 hours	25 GPM	4,500 Gal.
	Storm Water	Say 1/2"	4 hours	473 GPM	113,571 Gal.
	Chemical Manufacturing	per hour			
	a) Reactor washing & flushing	15% operation	3.6 hours	14.5 GPM	867 Gal.
	b) Raw materials				
	Vacuum jet well water	12.5% operation	3.0 hrs.	75 GPM	13,500 Gal.
	Laboratories	33.3% operation	8.0 hrs.	4.4 GPM	2,123 Gal.
7. Maximum Production					
A. Does an effluent guideline limitation promulgated under Section 304 of the Federal Act apply to your facility? <input checked="" type="checkbox"/> Yes (Complete 7B) <input type="checkbox"/> No (Go to Item 8)					
B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)? <input type="checkbox"/> Yes (Complete 7C) <input checked="" type="checkbox"/> No (Go to Item 8)					
C. If answer to 7B is Yes, list quantity which represents a reasonable measure of actual production, in terms and units used in the applicable effluent guideline.					
QUANTITY PER DAY	UNITS OF MEASURE	OPERATIONS, PRODUCT, MATERIAL, ETC.			AFFECTED OUTFALLS

*Assuming 5 days per week if continuous operation because facility normally shuts down over weekends.

8. STORAGE SITE(S)

ULTIMATE DISPOSAL SITE(S)

- a. Drum Storage Area - 4 drums of solvent per week from effluent basin are steam stripped and the residue put in waste drums which are stored in hazardous drum area.
- b. Solids from effluent basin - when needed, the basin is cleaned and the solids tested. They are then landfilled following all local, state and federal regulations. The basin has not been cleaned since 1981.
- c. Hazardous waste solids are kept in the hazardous waste area. We do not store liquid waste; we recover our solvents for reuse.

CECOS International